

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/090836 A1

(51) International Patent Classification⁷: **F16J 15/08**,
15/28, 13/02, F27B 5/06, B30B 11/00

Venaria (IT). **PANERO, Francesco** [IT/TT]; Via Francone,
17, I-12040 Sanfrè (IT).

(21) International Application Number:
PCT/EP2005/002487

(74) Agents: **RAMBELLI, Paolo** et al.; Jacobacci & Partners
S.p.A., Corso Emilia, 8, I-10152 Torino (IT).

(22) International Filing Date: 9 March 2005 (09.03.2005)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
TO2004A000169 15 March 2004 (15.03.2004) IT

(71) Applicant (for all designated States except US): **TEKSID
ALUMINUM S.R.L.** [IT/TT]; Via Umberto II, 3/5, I-10022
Carmagnola (IT).

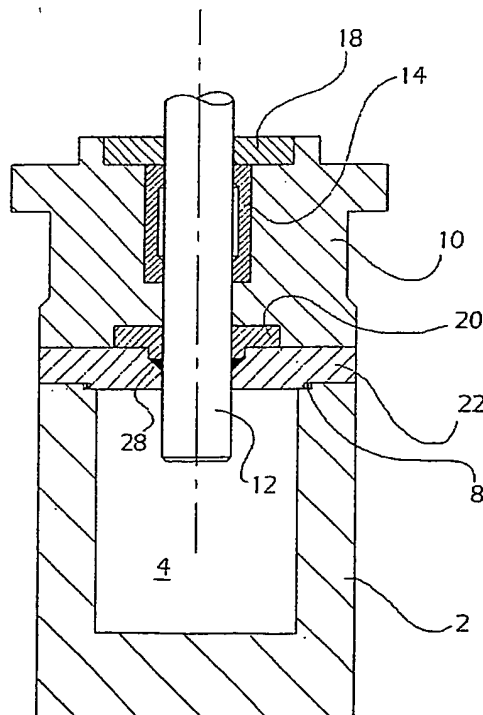
(72) Inventors; and

(75) Inventors/Applicants (for US only): **MASTROGIA-
COMO, Leandro** [IT/TT]; Via Amati, 115 F, I-10078

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: **SEALING SYSTEM FOR HIGH-PRESSURE AND HIGH-TEMPERATURE CONTAINERS**



(57) Abstract: A sealing system for a container (2) containing a fluid at high pressure, comprising a head (10) moving between a closed position and an open position of the container (2), a piston (12) for the pressurisation of the container (2) mounted to slide within the head (10) and sealing means adapted to prevent fluid from emerging from the pressurised container (2). These sealing means comprise an auxiliary cover (22) adapted to be interposed between the head (10) and the container (2), provided with an opening (24) in which the piston (12) may slide and a coinable gasket (28) associated with the opening (24) adapted after its coining to exert a sliding seal between the piston (12) and the cover (22).

WO 2005/090836 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW. ARIPO patent (BW, GH, GM, KE, LS, MW, MZ,

NA, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR). OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.